

Title (en)

Coil for a contact of a vacuum switch having an increased mechanical endurance, and related vacuum switch and switchgear, in particular alternator load-break switch

Title (de)

Wicklung für einen Vakuumschalterkontakt mit erhöhter Festigkeit, Vakuumschalter und Schalteinrichtung, insbesondere Generator-Schutzschalter

Title (fr)

Enroulement pour contact d'ampoule a vide a moyenne tension a endurance amelioree, ampoule a vide et disjoncteur, tel qu'un disjoncteur sectionneur d'alternateur associes

Publication

EP 2261940 B1 20120229 (FR)

Application

EP 10165178 A 20100608

Priority

FR 0953855 A 20090610

Abstract (en)

[origin: EP2261940A1] The winding has a hollow cylinder comprising slots (81) formed in a helical manner around a longitudinal axis of the cylinder. The slots are opened inside and outside the cylinder. Space between two consecutive turns (82) of each slot is not provided with material. Width of each slot is lower than 0.2 mm for an outer diameter of the cylinder higher than 90 mm. Each turn has an average width (L) higher than 4 mm. Independent claims are also included for the following: (1) a method for forming a copper based winding that generates a magnetic field in an electrical contact of a medium voltage vacuum bulb (2) a method for forming an electrical contact of a medium voltage vacuum bulb (3) an electrical contact of a medium voltage vacuum bulb, comprising a contact body.

IPC 8 full level

H01H 33/664 (2006.01)

CPC (source: EP US)

H01H 33/6642 (2013.01 - EP US); **Y10T 29/49071** (2015.01 - EP US)

Cited by

EP3144946A1; RU2674462C1; US10269508B2; WO2017046342A1

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